AMENDMENTS TO THE CLAIMS

The listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims

1-49.   (Cancelled).

50.   (New) A method of channel resource allocation in a wireless communications system, said method   comprising the steps of:

sniffing one or more data transmissions to or from a data provider for information within one or more application-level data packets, the information being related to application-level data object size; and

allocating radio resources as a function of said data object size.

51.   (New) The method according to claim 50, wherein said step of allocating radio resources comprises the step of selecting one or more channel characteristics.

52.   (New) The method according to claim 50, wherein   said one or more data transmissions are sniffed in an uplink direction.

53.   (New) The method according to claim 50, wherein   said one or more data transmissions are sniffed in a downlink direction.

54. (New) The method according to claim 50, wherein said step of allocating radio resources comprises the step of predicting a future data rate from the information related to data object size.

55. (New) The method according to claim 51, wherein said channel characteristics are selected from the group consisting of:

data rate;

dedicated or shared usage;

scheduling;

modulation;

spreading code spreading factor; and

transmission power.

56. (New) The method according to claim 50, wherein one or more of said application-level data packets are cached prior to being transmitted using said radio resources.

57. (New) A system for channel resource allocation in a wireless communications system, said method comprising:

means for sniffing one or more data transmissions to or from a data provider for information within one or more application-level data packets, the information being related to application-level data object size; and

means for allocating radio resources as a function of said data object size.

58.   (New) The system according to claim 57, wherein said means for allocating radio resources comprises means for selecting one or more channel characteristics.

59.   (New) The system according to claim 57, wherein said one or more data transmissions are sniffed in an uplink direction.

60.   (New) The system according to claim 57, wherein said one or more data transmissions are sniffed in a downlink direction.

61.   (New) The system according to claim 57, wherein said means for allocating radio resources comprises means for predicting a future data rate from the information related to data object size.

62.   (New) The system according to claim 58, wherein said channel characteristics are selected from the group consisting of:

data rate;

dedicated or shared usage;

scheduling;

modulation;

spreading code spreading factor; and

transmission power.

63.   (New) The system according to claim 57, wherein one or more of said application-level data packets are cached prior to being transmitted using said radio resources.

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